

3M General Offices

00-36  
2273M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

Industrial Hygiene

AUG 23 1989

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET**3M**

## DIVISION: ADHESIVES, COATINGS AND SEALERS

## TRADE NAME:

SCOTCH-GRIP (TM) 1357 High Performance Contact Adhesive

3M I.D. NUMBER: 62-1357-2631-3 62-1357-5530-4 62-1357-6530-3 62-1357-7530-2  
62-1357-8530-1 62-1357-8540-0 62-1357-9530-0 62-1357-9531-8

ISSUED: APRIL 12, 1989

SUPERSEDES: JANUARY 27, 1989

DOCUMENT: 10-2789-5

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
petroleum distillate	64742-88-7	40.0 - 50.0	100	ppm	TWA	CMRG
acetone	67-64-1	10.0 - 20.0	750	ppm	TWA	ACGIH
polychloroprene	9010-98-4	10.0 - 20.0	NONE	NONE	NONE	NONE
methyl ethyl ketone	78-93-3	10.0 - 20.0	200	ppm	TWA	ACGIH
magnesium resinate	68611-24-5	10.0 - 20.0	NONE	NONE	NONE	NONE
toluene	108-88-3	1.0 - 10.0	100	ppm	TWA	ACGIH

## SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

acetone  
methyl ethyl ketone  
toluene

## 2. PHYSICAL DATA

BOILING POINT:..... 132F (acetone)  
 VAPOR PRESSURE:..... @ 68F 180 mmHg  
 VAPOR DENSITY: ..... 3.0  
 EVAPORATION RATE:..... 2+  
 SOLUBILITY IN WATER: ..... Very slight  
 SP. GRAVITY:..... 0.82  
 PERCENT VOLATILE: ..... Approx. 75% By Weight  
 VOLATILE ORGANICS: ..... 620.00 gm/l  
 pH: ..... N/D  
 VISCOSITY: ..... 200-1000 cps  
 APPEARANCE AND ODOR: Grey/green, low viscosity liquid, strong petroleum odor.

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -14F (Tag Closed Cup/Petroleum Dist.)  
 FLAMMABLE LIMITS - LEL: ..... 1.0  
 FLAMMABLE LIMITS - UEL: ..... 12.8  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
   CO2, foam, dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES:  
   Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
   Extremely Flammable. Overheated, closed containers adjacent to fire

Abbreviations: N/D - Not Determined N/A - Not Applicable

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**3. FIRE AND EXPLOSION HAZARD DATA (continued)**

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could explode due to internal pressure buildup.  
NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0  
UNUSUAL REACTION HAZARD: NONE

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**4. REACTIVITY DATA**

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STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
Oxidizers  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CO, CO2, HCl, with possible trace amounts of phosgene and chlorine,  
when subjected to excessive heat or flame.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

**RECOMMENDED DISPOSAL:**

Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. Hazardous Waste No.: D001 (Ignitable).

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):  
Maximum VOC = 620 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 620 grams/liter.

**SARA HAZARD CLASS:**

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 10 minutes. Call a physician.

**SKIN CONTACT:**

Wash area with soap and water.

**INHALATION:**

Move affected person to fresh air at once. If breathing difficulties persist, call a physician.

**IF SWALLOWED:**

Do not induce vomiting. Call a physician or poison control center

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6. SUGGESTED FIRST AID (continued)

immediately.

OTHER FIRST AID:  
NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flame and other sources of ignition. The vapors released by this product can be ignited easily. Avoid prolonged breathing of vapors. Use only in areas with sufficient ventilation to maintain vapor/spray concentrations below recommended exposure limits. Keep container closed when not in use. Avoid contact with eyes and skin. Utilize personal protective equipment when handling this product, i.e. impervious gloves and chemical safety goggles. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		-----	
	VALUE	UNIT	TYPE	AUTH
acetone	1780	mg/m3	TWA	ACGIH
acetone	1000	ppm	STEL	ACGIH
acetone	2375	mg/m3	STEL	ACGIH
acetone	750	ppm	TWA	OSHA
acetone	1800	mg/m3	TWA	OSHA
acetone	1000	ppm	STEL	OSHA
acetone	2400	mg/m3	STEL	OSHA
methyl ethyl ketone	590	mg/m3	TWA	ACGIH
methyl ethyl ketone	300	ppm	STEL	ACGIH
methyl ethyl ketone	885	mg/m3	STEL	ACGIH
methyl ethyl ketone	200	ppm	TWA	OSHA
methyl ethyl ketone	590	mg/m3	TWA	OSHA
methyl ethyl ketone	300	ppm	STEL	OSHA
methyl ethyl ketone	885	mg/m3	STEL	OSHA
toluene	375	mg/m3	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	560	mg/m3	STEL	ACGIH
toluene	100	ppm	TWA	OSHA
toluene	375	mg/m3	TWA	OSHA
toluene	150	ppm	STEL	OSHA
toluene	560	mg/m3	STEL	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: Liquid, vapor and spray can cause eye irritation. Symptoms may include tearing, redness and blurred vision.

SKIN CONTACT: Acute exposure is mildly irritating. Prolonged or

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**8. HEALTH HAZARD DATA (continued)**

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repeated contact will produce defatting and resultant dermatitis.

**INHALATION:** Inhalation of vapors at concentrations exceeding the recommended exposure limits may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Symptoms of overexposure include drowsiness, dizziness, nausea, vomiting and headache. Repeated or extreme overexposure to vapors may cause nervous system damage.

**INGESTION:** Solvent aspiration into the lungs as a result of vomiting may cause lung damage, which can be harmful or fatal. May cause digestive system irritation. Symptoms may include nausea, vomiting, diarrhea and nervous system impairment (light-headedness).

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**SECTION CHANGE DATES**

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INGREDIENTS	SECTION CHANGED SINCE	JANUARY 27, 1989	ISSUE
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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.